

Friday, October 21, 2016 3:02:20 PM

152211

Page 1

N900040100

Setup Start *NS1*

Stop *NS2*

25

Cust Item ID:

Start Date: 10/13/2016 **Start Qty:** 25.00

Required Date: 10/21/2016 **Req'd Qty:** 25.00

25

Customer:

Reference:

OCT 26 2016

Approvals: _____ **Process Plan:** _____

Date:

Tooling:

Date:

Run Start *NR1*

QC: 9-89

Date:

SPC (Y/N):

Date:

Stop ***NR2***

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐								
Misidentified	☐	Past Due	☐	OTHER :							

Work Order ID 152211

Friday, October 21, 2016 3:02:20 PM

152211

Page 2

Item ID: D2586 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Door Latch
Start Date: 10/13/2016 Start Qty: 25.00 ***25*** Cust Item ID:
Required Date: 10/21/2016 Req'd Qty: 25.00 ***25*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Small Fab	0.00				<u>25</u>	<u>FF</u>	NOV 10 2016	
130									
Small Fab	Memo	0.12							
Small Fab	1-Drill Hole to 0.191" 2-Counterface as per Dwg D2586 3-Assemble Lock Nut to Hinge. Leave Latch Unlocked.								
140	QC5- Inspect part completeness to step on W/O	0.00				<u>25</u>			DAS 38 9-89
140									
QC	Memo	0.08							
Quality Control								NOV 11 2016	
150	Identify as per dwg & Stock Location: <u>5481</u>	0.00				<u>25</u>			DAS 26 9-89
150									
Packaging	Memo	0.04							
Packaging	***Ensure key is bag with latch***							NOV 14 2016	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Work Order ID 152211

Friday, October 21, 2016 3:02:20 PM

152211

Page 3

Item ID: D2586 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Door Latch
Start Date: 10/13/2016 Start Qty: 25.00 ***25*** Cust Item ID:
Required Date: 10/21/2016 Req'd Qty: 25.00 ***25*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	QC21- Final Inspection - Work Order Release	0.00							
160									
QC	Memo	0.42							
Quality Control									

DAS
21
~~9-30~~ NOV 15 2016

DAS
21
~~9-30~~ NOV 14 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Friday, October 21, 2016 3:02:19 PM

Page 1
4

Work Order ID: 152211

152211

Parent Item: D2586

D2586

Parent Item Name: Door Latch

Start Date: 10/13/2016

Required Date: 10/21/2016

Start Qty: 25.00

Required Qty: 25.00

Comments: IPP E02.01.31 Added Inspect level 21NG IPP RevF: add not to
keep key with latch DD 10.02.10 verified by:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
C23225		Purchased	No			110	Each	0.0000	1	25		NOV 08 2016	DA 26 9-89
C23225									**				
DOOR LATCH													
D3015-7		Manufactured	No			130	Each	232.0000	1	25		NOV 10 2016	FF
D3015-7									**				
Lock Nut													

Location

Loc Qty

Loc Code

ST015

232

144165

7

144974

225

25

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

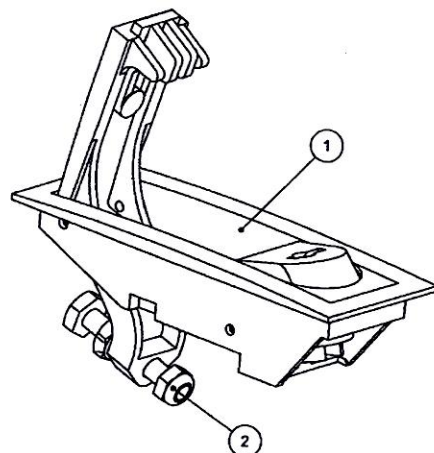
QA Closed: _____ Date: _____

Work Order update only ☐

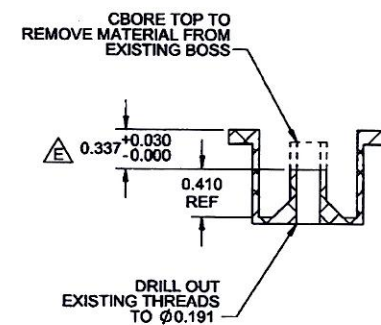
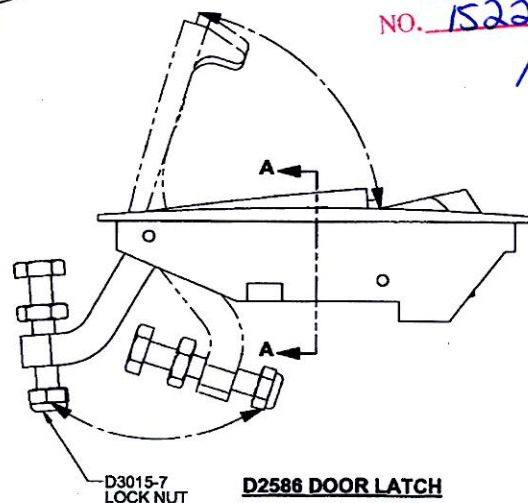
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER :			

8 7 6 5 4 3 2 1

ITEM	QTY	P/N	DESCRIPTION
	X	D2586	LATCH ASSEMBLY
1	1	C2-32-25	LATCH
2	1	D3015-7	LOCK NUT



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 152211 MLJ
16-10-26



RELEASED
2011-07-04

SECTION A-A

- NOTES:
- 1) MATERIAL: PURCHASE FROM SOUTHCO
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: 0.15 lbs APPROX

E	REFORMAT. ZONE B3 UPDATED DIMENSIONS FOR CBORE. (SEE CAR 11-32)	AJS	11.06.13
D	ADD 3015-7 P/N; UPDATE DRAWING	CB	06.10.19
C	REVISED CBORE DEPTH	KE	97.09.03
B	CHANGED CBORE DEPTH	KE	97.07.23
A	NEW ISSUE	KE	96.07.15
REV.	DESCRIPTION	BY	DATE
DESIGN	KE		
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.06.13		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D2586	REV. E SHEET 1 OF 1
TITLE DOOR LATCH	SCALE NTS
COPYRIGHT © 1996 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34092

Purchase Order Date 10/28/2016 9:18:09 AM

PO Print Date 10/28/2016

Page Number 1 of 1

Order From :
T.C.H. SALES INC.
16757 BOUL. HYMUS
KIRKLAND, QUEBEC H9H 3L4

VU-TCH001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

OCT 28 2016

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	514-697-7847	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	USD
Ship Via:	FedEx Overnight collect	FOB	Destination-Collect
Ship Acct:			

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	C23225 AS PER DWG D2586 REV.E B152211	DOOR LATCH	11/9/2016 Yes 11/9/2016		25.00 Each	\$13.65	\$341.25
						Line Total:	\$341.25
2	71401-45	PROCUREMENT QUALITY CLAUSES	11/9/2016 No 11/9/2016		1.00	\$0.00	\$0.00
	PROCUREMENT QUALITY CLAUSES A005 RIGHT OF ENTRY A016 PERSONNEL QUALIFICATION A025 CERTIFICATE OF CONFORMANCE A040 NOTIFICATION OF QUALITY ESCAPE A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENT					Line Total:	\$0.00
						PO Total:	\$341.25

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 10/28/2016

T.C.H. Sales Inc.
 40 Emblem Court
 Toronto, Ontario M1S 1B1
 Phone: 1-800-465-6281
 Fax : 1-855-299-3214



PACKING SLIP

VENDOR #	
DUNS #	242445328
TAX #	R105150197

CUSTOMER NUMERO DU CLIENT	STORE NUMBER NUMERO MARCHE	DEPARTMENT DIVISION	CUSTOMER PO COMMANDE DU CLIENT	ORDER COMMANDE	PACK NUMBER BON DE LIVRAISON	BOL NUMBER BOL NUMBER	PICK # NUMERO PICK	A/R TERMS A/R TERMES	PAGE PAGE
22428000			PO34092	165840	196095		217969	30	1

S
V
E
N
D
U
R
A

 DART AEROSPACE LTD.
 1270 ABERDEEN
 HAWKESBURY ON K6A 1K7

S
E
N
D
E
R
A

 DART AEROSPACE LTD.
 1270 ABERDEEN
 HAWKESBURY ON K6A 1K7
 CAN

TEL: 613-632-9577

SHIP TERM CODE DE TRANSIT	SHIP VIA TRANSITAIRE	TRACER NUMERO DE TRACER	PACK DATE DATE DE PACK	CANCEL DATE DATE DE CANCEL	PCS PCS	WEIGHT POIDS	MEMO MESSAGES DIVERS
COLL	FedEx Priority	7210 2351 7361	11/07/16	12/31/17	1	13	JP/TYPE 3

PRODUCT CODE CODE DU PRODUIT	DESCRIPTION DESCRIPTION	ORDERED COMMANDEE	SHIPPED EXPIDIEE	BACK ORDERED NON EXPIDIEE
555-C23225	BLK LEV LATCH RAISED TRIG W/LK C2-32-25	25	25	0
NOV 08 2016 DAS 36 89 Oh Eric Oh				
		25	25	0

Visit Us Online

www.tchweb.com

Conditions Of Sale:

All shipments FOB Scarborough, Ontario.
 All returns are subject to a 15% handling charge and must be authorized.
 All claims and discrepancies must be reported within 7 days.
 We have the right to charge collection and attorney's fees of 25% and
 interest of 2% per month (or 24% per annum) on all overdue accounts.

Conditions De Vente:

Tous les retours de marchandises sont soumis a des frais de manutention de 15% et a l'autorisation.
 Veuillez signaler toutes les anomalies ou irregularites dans les sept jours.
 Nous avons le droit d'imposer dans frais de recouvrement et de procedure de 25%, ainsi qu'un interet de
 par mois (ou 24% par an) sur tous les comptes en souffrance.
 Les biens faisant l'objet de la presente facture demeurent la propriete du vendeur jusqu'a parfait paiement.